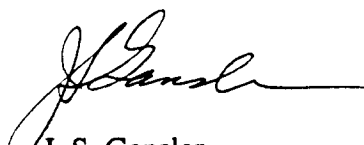30 NOV 1999

ACQUISITION AND
TECHNOLOGY

MEMORANDUM FOR: DOD EXECUTIVE COUNCIL FOR MODELING
AND SIMULATION (EXCIMS)

SUBJECT: DoD Transition to the High Level Architecture (HLA) for Simulations

The attached HLA Transition Report, which reflects progress as of May, 1999, is approved; specifically the recommendations found at page 2 of the report. I am pleased with the Department's continuing progress in embracing the High Level Architecture as the technical standard for simulations.

As reflected in the report, the strategy for the implementation of the Department's policy (Attachment 1 to the attached report) reflects a pragmatic, reasoned, and common-sense approach to achieving the goals of interoperability and reuse that will allow us to effectively exploit the potential of simulation to improve DoD operations.

I want to thank each EXCIMS and HLA Transition Issues Team member for their individual and collective efforts in revolutionizing the way DoD builds and uses simulations.

J. S. Gansler

Attachment
As stated

cc:
DoD MSWG Members
DoD Component M&S Management Offices

High-Level Architecture (HLA) Transition Report
May 1999

INTRODUCTION

This report is the second published product of the High Level Architecture (HLA) Transition Issues Team, an approved subgroup of the DoD Executive Council for Modeling and Simulation (EXCIMS) composed of representatives from the DoD Component Modeling and Simulation (M&S) Management Offices and the Defense Modeling and Simulation Office (DMSO). The team began meeting soon after the Department's HLA policy was announced in USD(A&T) Memorandum "DoD High Level Architecture (HLA) for Simulations," September 10, 1996. The team's goal has been to foster a coordinated, common sense implementation of HLA policy across the DoD. It will continue to function in this role throughout the HLA transition period (as determined by the EXCIMS but notionally until October 1, 2000).

This HLA Transition Report addresses the actions required by the initial report (March 1998) regarding those simulations which are committed to HLA compliance but whose circumstances warrant a time extension to achieve this.

HLA TRANSITION PROGRESS TO DATE

As stated in the previous report, although the Department is only in the early stages of its multi-year transition to the High Level Architecture, it is noteworthy that a significant number of the Department's simulations remain committed to HLA compliance, and an increasing number of HLA implementations have been completed.

The March 1998 HLA Transition Report reported 662 simulations of which 451 simulations were listed as committed to HLA compliance. In addition, 312 new simulations have been identified since the issuance of the March 1998 report. Of the total 974 simulations considered by the HLA Transition Issues Team since the March 1998 HLA Transition Report, within the context of working definitions and processes described in this report (Attachment 2), the following actions are noted and recommended:

32	are currently certified as HLA compliant (listed in Attachment 3)
292	are now deemed "committed to HLA compliance" and whose progress warrants a one-year time extension until next progress review (listed in Attachment 4)
112	have been granted waivers (listed in Attachment 5)
371	have been granted exclusion from HLA policy for reasons established in the March 1998 Transition Report (listed in Attachment 6)
167	to be retired in lieu of HLA compliance (listed in Attachment 7)

- On approval of this report, Component M&S Management Offices will advise those simulations deemed "committed to HLA compliance" that they have been granted a time extension on the "No Can Pay" deadline, to conclude on 1 October 1999. Care will be taken to ensure these simulations understand that all time extensions will be reviewed in the Fall of 1999.

- On approval of this report, Component M&S Management Offices will advise those simulations that have been granted waivers and exclusions to the HLA policy, as specified in attachments 5 and 6, along with ratification of prior grants of waiver.

RECOMMENDED USD(A&T) ACTIONS

1. **That the USD(A&T) approve the policy implementation guidelines and definitions at Attachment 2**

2. **That the USD(A&T) approve the HLA Policy Compliance Determinations as reflected in Attachments 3 through 7.**

7 Attachments:
1. USD(A&T) Memorandum "DoD High Level Architecture (HLA) for Simulations," September 10, 1996
2. HLA Policy Implementation Guidelines and Definitions
3. HLA Compliant Simulations as of May 1999
4. Simulations Deemed Committed to HLA Compliance, and Granted One-Year Time Extensions as of May 1999
5. Simulations Granted Waivers from HLA Compliance as of May 1999
6. Simulations Granted Exclusion for Policy Reasons as of May 1999
7. Simulations Identified for Retirement in Lieu of HLA Compliance as of May 1999

THE UNDER SECRETARY OF DEFENSE
3010 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-3010

SEP 1 0 1996

ACQUISITION AND
TECHNOLOGY

MEMORANDUM FOR: SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
ASSISTANT SECRETARIES OF DEFENSE
GENERAL COUNCIL OF THE DEPARTMENT OF DEFENSE
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE
DIRECTOR, OPERATIONAL TEST AND EVALUATION
ASSISTANTS TO THE SECRETARY OF DEFENSE
DIRECTOR OF ADMINISTRATION AND MANAGEMENT
DIRECTORS OF THE DEFENSE AGENCIES

SUBJECT: DoD High Level Architecture (HLA) for Simulations

References: (a) DoD Directive 5000.59, "DoD Modeling and Simulation (M&S) Management," January 4, 1994
(b) DoD 5000.59-P, "DoD Modeling and Simulation Master Plan (MSMP)," October 1995

Under the authority of reference (a), and as prescribed by reference (b), I designate the High Level Architecture as the standard technical architecture for all DoD simulations.

The baseline HLA is defined by three inter-related elements: HLA Rules Version 1.0 (v.1.0), HLA Interface Specification v.1.0, and HLA Object Model Template v.1.0. The evolution of the HLA will be managed by the DoD Executive Council for Modeling and Simulation (EXCIMS) through its Architecture Management Group (AMG). This structure provides a means for the DoD Components to identify and address any emergent issues in subsequent refinements to the HLA. Compliance with the HLA does not mandate the use of any particular implementation of supporting software such as the Runtime Infrastructure.

DoD Components shall review all of their simulation projects and programs by the second quarter fiscal year (FY) 1997 in order to establish plans for near-term compliance with the HLA. The Department shall cease further development or modification of all simulations which have not achieved, or are not in the process of achieving, HLA-compliance by the first day of FY 1999, and shall retire any non-compliant simulations by the first day of FY 2001. EXCIMS is to monitor progress and advise me if any emergent events affect their viability.

To monitor compliance with the HLA, the DoD Components shall submit an initial report to the Defense Modeling and Simulation Office (DMSO) by June 30, 1997, which summarizes their HLA-compliance intentions for each simulation the Component owns or sponsors, organized into three categories:

- HLA-compliance actions initiated immediately

- HLA-compliance actions initiated at a specified future date

- no HLA compliance planned (thus requiring eventual retirement or a waiver)

HLA POLICY IMPLEMENTATION GUIDELINES AND DEFINITIONS

The HLA Transition Report, March 1998, outlined definitions developed by the HLA Transition Issues Team to guide HLA policy implementation. These were subsequently approved by the USD(A&T). Nothing in this report proposes to change the definitions already approved. However, specific issues not resolved in the March 1998 report required the HLA Transition Issues Team to propose additional working definitions, addressed below. USD(A&T) approval is requested for these additional working definitions to guide the implementation of the DoD HLA policy.

A particular focus was in rationalizing phraseology used in the USD (A&T) memorandum on HLA policy of September 1996, which states: "... The Department shall cease further development or modification of all simulations **which have not achieved, or are not in the process of achieving,** HLA compliance by the first day of FY 1999... ."

In order to promote a clear understanding of the gravity of this requirement, it is necessary to understand the deadline described is the "No Can Pay" date from the September 1996 policy memorandum. Failing to meet this deadline meant that no funding could be invested in developing or modifying these simulations after 1 October 1998. The effort of the HLA Transition Team, then, would be devoted to determining whether simulations not yet having attained HLA compliance were, in fact, evidencing sufficient intent to warrant a nominal extension to the "No Can Pay" deadline.

The HLA Transition Issues Team unanimously agreed that "**... have not achieved, ...**", means *a simulation has not received a certification of compliance being administered by the HLA Certification Agent under the guidance of DMSO.*

The phrase "**... not in the process of achieving ...**" was a substantially more challenging issue for the HLA Transition Issues Team to gain consensus on. The team agreed that "**in the process of achieving**" could not be measured as a single act, and additional information would be required to assess the state of the transition effort in each situation where HLA compliance had not been achieved. This led to the team developing an HLA Transition Progress Questionnaire (TPQ), to be distributed to simulation owners through the Component M&S Management Offices.

Although HLA Transition Issues Team members possessed different views about the relative importance among questions posed in the TPQ, the team did agree that fundamental intention to achieve HLA compliance stems from: knowledge of the requirement; having a plan to meet the requirement; and, having funding to support the planned transition to compliance. Beyond this, the team found that incremental support (and diminishing risk) for attaining HLA compliance would be gained through the following "highly recommended" activities. These included: participating in existing training and education outreach programs; obtaining and exercising available supporting software and tools; defining simulation object model content; and, contemplating opportunities for federation establishment and involvement. All of these states could be measured from responses given to the TPQ.

With agreement on these guiding principles, the HLA Transition Issues Team determined that *any simulation program demonstrating affirmative attention to at least the fundamental requirements, plus some affirmative action toward the highly recommended activities* could reasonably be deemed to be **"in the process of achieving"** HLA compliance, and thus deserving of time extension. Likewise, the team determined that *any simulation programs demonstrating no affirmative activity, or only marginal affirmative activity among the fundamental requirements,* are demonstrably **"not in the process of achieving"** HLA compliance, and would probably not attain compliance, even with grant of a time extension.

The team further agreed that simulations deemed **"not in the process of achieving"** HLA compliance should be placed in the "to be retired in lieu of HLA compliance" category, with the option to seek reinstatement one year later to the "committed to HLA compliance" list given demonstration of compliance or suitable progress toward attaining compliance.

For sake of discussion, the team adopted the equivalence that simulations "in the process of achieving" are, in fact, **"committed to HLA compliance"**; whereas those deemed "not in the process of achieving" are demonstrating they are **"not committed to HLA compliance."**

TIME EXTENSION POLICY

Plans for exercising these working definitions called for the Component M&S Management Offices to review the TPQ responses for simulations within their proponency, and recommend whether a simulation be deemed "in the process of achieving" HLA compliance, and thus eligible for grant of a nominal one-year time extension to the "No Can Pay" deadline. At the same time though, many on the team felt that those programs deemed, on first pass, as "not in the process of achieving" needed to be afforded an opportunity to reclama that determination, providing additional information, as available. This was adopted as an initial option to avoid referring a rather large number of simulations to the "to be retired " list. The reclama period ended on 1 November 1998.

At the same time, the Component M&S Management Offices were proposing additional waivers and exclusions to HLA policy among both the lists of simulations reported in the March, 1998 report, as well as the 121 new simulations reported during the HLA TPQ survey. Noting that the March 1998 report had identified annual ratification of waiver status to be a function of the HLA Transition Issues Team, the Director, DMSO proposed that waiver ratifications be postponed until the Spring of 1999, along with consideration of new waiver requests. It was recommended that newly proposed exclusions from HLA policy would be also considered in these Spring 1999 deliberations. The team unanimously agreed to this proposal. However the team also unanimously supported a view that , unlike waivers, a prior grant of exclusion inferred sufficient finality as to preclude annual reviews of exclusions.

These factors, coupled with differences in how the Component M&S Management Offices documented their determinations, motivated the Director, DMSO to recommend that the team consider an alternative to a blanket time extension policy. In so doing, he noted that both DMSO and the Component M&S Management Offices are collectively challenged to make a credible proposal for time extension. In this light, the team agreed that neither a blanket time extension, nor a summary judgement of forced retirement would be appropriate as of November

1998. Instead, it was agreed that an interim report would be made to both the MSWG and EXCIMS in November 1998 that summarized progress to date and outlined an action plan for FY 1999.

INTERIM REPORT TO EXCIMS IN NOVEMBER 1998

The HLA Transition Issues Team recommended to EXCIMS the following action plan be followed during FY 1999:

- Simulations deemed "committed to HLA compliance" based on either TPQ or other substantiating data will be give a one-year time extension on the "No Can Pay" deadline, concluding on 1 October 1999.

- Simulations for which their respective Component M&S Management Office have proposed waiver or exclusion from the HLA policy, will be extended to Spring 1999 pending a scheduled waiver/exclusion review process.

- Simulations having unsubstantiated records of progress toward HLA compliance will be extended until 31 December 1998 to provide supporting evidence. Should this evidence not be forthcoming *in sufficient detail or quality* to support favorable recommendation at that time, such simulations will be recommended for retirement.

- The Transition Issues Team will prepare a report inclusive of all final determinations among the foregoing actions for presentation to EXCIMS during the Spring of 1999. This report will satisfy the reporting requirement posed in the HLA Transition Report of March 1998.

- The Transition Issues Team will continue to conduct annual reviews of all newly proposed and prior grants of waivers, newly proposed exclusions, and extensions previously granted under the HLA policy. These reviews will commence in the Spring 1999 with waivers and exclusions, and be followed in the Fall 1999 with reviews of all extensions. These reviews would be conducted until the 1 October 2000 (No Can Play date), or later, as directed.

HLA TRANSITION ACTION PLAN APPROVED BY EXCIMS, FEBRUARY 1999

Following the approval of the HLA Transition Action Plan at the February 08, 1999 EXCIMS meeting, the HLA Transition Issues Team began deliberations on the waiver / exclusion review process as specified in the interim report. The HLA Transition Issues Team began a series of meetings beginning with a BMDO – DMSO Technical Exchange in March and continued an iterative review cycle up until presentation at the May 12, 1999 EXCIMS meeting. Database entries and updates were completed by the DMSO following an exhaustive line item-by-line item review of each simulation's status by the team. Rationales were documented and recorded in the HLA compliance database.

During the course of deliberations, the team reviewed the original exclusion and waiver definitions from the March 1998 HLA Transition Report; excerpts follow:

"......The following classes of applications should not be considered "simulations" in the context of the DoD policy. They are therefore exempt (excluded) from the HLA-compliance mandate and need not be reported. Applications within these categories may still enjoy the benefits of HLA-compliance when deemed appropriate by their owners and/or sponsors, but the Department will not so insist.

1. The internal components of a simulation, even if that simulation is employed in a distributed manner (e.g., several instances of a single application interoperating over a wide-area network only with each other). Stated another way, any simulation need only be made externally, not internally, HLA-compliant. A simulation must use the HLA to interoperate with other simulations and live systems, but not with itself. Again, it is recognized that there may be opportunities to use the HLA internal to simulations, but this is not required as a matter of policy.

2. Part Task Trainers (PTT). A PTT is a training device having both of the following characteristics:

   a. Used to train humans in some portion of the tasks they are expected to perform in their occupational specialty of system operator or maintainer (e.g., pilot, gunner, mechanic, fire fighter, communicator), but does not provide a complete-enough representation of a system's functions, or the ability to interact with other persons normally present in the same crew compartment, as would be necessary to allow the trainees to simulate employment of the system in one or more of its primary missions; and

   b. Does not require input from, nor output to, other systems (e.g., other organizations/units; weapon systems; sensors; command and control systems) to accomplish the training.

   Examples of simulations in this category may include certain emergency procedure trainers, air refueling trainers, fuel system management trainers, hydraulic system operation trainers, instrument flying trainers, and target/threat identification trainers. *(Note: Simulators which can be interconnected with other simulators or live systems to provide team/crew training, where interaction among the simulators/systems can enhance the skills of each team/crew member, are not considered Part Task Trainers.)* Some PTTs may benefit from HLA use, but they are not required to comply as a matter of policy.

3. Stimulators used only for production line quality control or diagnostic testing. These stimulators are used only to test subsystems or some portion of the internal interfaces of a system. They do not provide a complete-enough representation of functions as to allow them to simulate employment of the system in one or more of its primary uses. Examples of stimulators in this category include launcher interface stimulators, missile echo units, avionics diagnostic test suites, and weapon control system interface stimulators........"

"......Any decision to waive a simulation from HLA compliance requires careful consideration. Each simulation on this list has been examined on its individual circumstances. In many cases a careful investigation to ascertain additional information is required before an informed decision can be made. The distinguishing characteristics of simulations on this list include, but are not limited to, one or more of the following:

- Simulations with a planned and programmed replacement which will not be available prior to the "no can play" date of October 1, 2000.

- Simulations of systems that are scheduled to be retired from the operational inventory by October 1, 2002.

- Parametric assessments in design simulations.

- Simulations whose decidedly infrequent projected use of only once or twice annually does not justify the cost of HLA-compliance.

- Simulations that are commercial off the shelf (COTS), licensed or proprietary, were built primarily for other than DoD-customers, and over which DoD has no effective leverage to achieve compliance.

- Simulations whose national security circumstances/risks preclude federation.

- Simulations whose only computational platforms are obsolete and for which source code is no longer available.

- Simulations of systems where the systems themselves are used exclusively for training and not intended to perform any other operational mission (e.g., training aircraft such as the T-45).

Each waiver decision requires appropriate investigation and discernment. The above characteristics are just a starting point for an examination of each simulation on its particular capabilities, potential utility, security constraints, relationship to other activities, progress in the development of a replacement, etc. These characteristics have evolved, and will continue to evolve, as we gain experience with more simulations and accomplish more HLA transitions. They are provided here to offer insight into the factors used by the team in arriving at these waiver recommendations. They are not precise criteria and no assumptions should be made that a simulation having one of these characteristics should pursue a waiver or would automatically be granted a waiver if it is requested. Nor should it be expected that a replacement for one of these simulations would be waived......."

Using these policy definitions as a guide, the HLA Transition Issues Team first reviewed all those simulations listed as waived or excluded from the March 1998 Transition Report. Next, DoD Component M&S Management Office Team representatives proposed / provided the Team with their new Service / Agency simulation candidates for waiver and/or exclusion category status. During the course of the deliberations on these new waiver candidates, discussion ensued with regard to the creation of new waiver criteria; not addressed in the original report. Specifically, the Team re-addressed the issue of simulations that are developed and used in engineering, design, system development, or testing for the analysis of specific systems or functionalities. The original waiver criteria; "Parametric assessments in design simulations"

(listed above), was re-examined. As a result of Team deliberations, this waiver criteria was expanded as follows:

-Parametric assessments in design simulations *or simulations whose primary purpose is to calibrate or generate parameters and / or data for HLA compliant simulations of comparable fidelity. (example: Patriot Added Capability – Block 3 (PAC3SIM) feeding 6DOF data to the Tactical Command System/Defense Design System Exerciser (TCS/DDSE))*

No other waiver or exclusion criteria was approved. A final Transition Issues Team meeting was held May 05, 1999 to review compliance category changes and recommend that the results be forwarded to USD(A&T) via the EXCIMS.

SPRING 1999 HLA TRANSITION REPORT TO EXCIMS IN MAY 1999

In accordance with the HLA policy, the Transition Issues Team completed the Spring 1999 review of both the original March 1998 "waived" simulations and those proposed waivers and/or exclusions since Spring 1998. On May 12, 1999 the EXCIMS was briefed on its deliberations of the original 662 simulations identified in the March 1998 report and 312 new simulations identified since March 1998 or a total of 974 simulations across the DoD. Both aggragate numbers and component numbers per compliance category were presented as of May 12, 1999. Following the presentation the EXCIMS tasked Director, DMSO to coordinate the staffing of this Spring HLA Transition Report for USD(A&T) via the MSWG principals and HLA Transition Issues Team members.

DoD Component	Simulation name	Acronym
Air Force	Air Force Electronic Warfare Evaluation Simulator	AFEWES
Air Force	Airlift Flow Model	MASS/AFM
Air Force	Eglin AAA Model Federate	Eglin AAA Model
Air Force	Eglin Guided Weapons Federate	Eglin Guided
Air Force	Eglin SAM Model Federate	Eglin SAM Model
Air Force	Extended Air Defense Simulation, HLA/AP	EADSIM HLA/AP
Army	Advanced Sub-system, Element, and System Simulation	ASESS
Army	Bradley A2 Virtual Prototype Simulator	Bradley A2 VPS
Army	Eagle	Eagle
Army	Enhanced Logistics Intratheater Support Tool	ELIST
Army	Integrated Unit Simulation System	IUSS
Army	Modular Semi-Automated Forces v5.0	ModSAF v5.0
Army	Port Simulation Model	PORTSIM
Army	Reconfigurable Virtual Fire Unit	RVFU
Army	Soldier Station	Soldier Station
BMDO	Portable Space Model	PSM
DARPA	Joint Semi-Automated Forces with AFI (no DDM)	JSAF with AFI (no
DARPA	Joint Semi-Automated Forces with Agile FOM Interface	JSAF with AFI
DISA	Global Command and Control System Ambassador	GCCS
DISA	RTI-GEM	RTI-GEM

DoD Component	Simulation name	Acronym
Joint Staff	AC-130U Weapon System Trainer/ATD/TB	AC-130U WST
Joint Staff	Joint Conflict and Tactical Simulation	JCATS
Joint Staff	Joint Theater Level Simulation	JTLS
Navy/MC	Combat Control Federate	CCF
Navy/MC	Display Federate	DF
NAVY/MC	Naval Simulation System	NSS
NAVY/MC	NAWC/TSD F14	NAWC/TSD F14
Navy/MC	Range Interface Federate	RIF
Navy/MC	"Submarine Sensor,Weapons, Tactics Simulation"	SIM-II
Navy/MC	WAF Wall Federate	WAF Wall
OSD DTSE&E	Joint Advanced Distributed Simulation EW Pass-Through	JADS EW PT
OSD DTSE&E	Joint Advanced Distributed Simulation EW Playback	JADS EW PB

Total records found: 32

DoD Component	Simulation name	Acronym
Air Force	A-10 Multi-task Trainer	A-10 MTT
Air Force	AC-130J Test Bed	AC-130J TB
Air Force	Advanced Sensor System Evaluation Tool	ASSET
Air Force	AFRL Advanced CNI Concepts Exploration	ACE
Air Force	AFRL Collaborative Engineering Environment	CEE
Air Force	AFRL Engineering Research Flight Simulation Facility	-
Air Force	AFRL Integrated Demonstrations and Applications Laboratory	IDAL
Air Force	Air Defense Network	ADNET
Air Force	Air Defense Simulation	ADSIM
Air Force	Automated Threat Engagement System	ATES
Air Force	Avionics Test and Integration Complex	ATIC
Air Force	AWACS Mission Simulator Advanced Simulation Interface Buffer	AWACS Simulator
Air Force	AWACS Modeling and Simulation Training System	AWACS AMS
Air Force	B-1 Weapon System/ Maintenance Trainer	B-1 WST/MT
Air Force	B-2 Aircrew Training Devices (WST/MT)	B-2 ATD
Air Force	B-52 WST/CPT/T4	B-52 WST
Air Force	BRAWLER	BRAWLER
Air Force	C-130 Unit Level Trainer	C-130 ULT
Air Force	C-130E Adverse Weather Aerial Delivery System Weapon System Trainer	C-130 AWADS
Air Force	C-130E Weapon System Trainer	C-130E WST
Air Force	C-130H Weapon System Trainer	C-130H WST

DoD Component	Simulation name	Acronym
Air Force	C-130H2/H3 Aircrew Training System, which includes a C-130H2 and a	C-130H2/H3 ATS;
Air Force	C-17 Weapons System Trainer	C-17 WST
Air Force	C-5 Weapons System Trainer	C-5 WST
Air Force	Cobra Ball	-
Air Force	Combined AMC Planning System	CAMPS
Air Force	Command and Control Warfare Analysis and Targeting Tool	CATT
Air Force	Command, Control Communication Systems Team Assessment Research	C3 STARS
Air Force	Communication Network Modeling Tool	CNMT
Air Force	Computer Security Assistance Program for the 21st Century	CSAP21
Air Force	Digitized Integrated Air Defense System	DIADS
Air Force	Distributed IW Constructive Environment	DICE
Air Force	Distributed Signals Intelligence Collection System	DSICS
Air Force	Distributive Mission Training Multi-Ship Support System	DMT MSSS
Air Force	Engineering Research Simulator	ERS (B-1 Sim)
Air Force	F-117A Weapon System Trainer	F-117 WST
Air Force	F-15C Full Mission Trainer	F-15C FMT
Air Force	F-15E Full Mission Trainer	F-15E FMT
Air Force	F-16 Multi-task Trainer	F-16 MTT
Air Force	F-22 Full Mission Trainer	F-22 FMT
Air Force	F-22 Weapons & Tactics Trainer	F-22 WTT
Air Force	H53/60 Aerial Gunner Scanner Simulator	H53/60 AGSS

DoD Component	Simulation name	Acronym
Air Force	Infrared Missile Simulation	IRMS
Air Force	Infrared Target-Scene Simulation Software	IRTSS
Air Force	Integrated Test Bed	ITB
Air Force	IVIEW 2000	-
Air Force	Joint Modeling and Simulation System	JMASS
Air Force	Joint Surveillance Target Attack Radar System Mission Crew Training	JSTARS MCTS
Air Force	KC-10 Boom Operator Trainer	KC-10 BOT
Air Force	KC-10 Weapon System Training	KC-10 WST
Air Force	KC-135E Weapon System Trainer	KC-135E WST
Air Force	KC-135R Operational Flight Trainer	KC-135R OFT
Air Force	Logistics Composite Simulation Model	LCOM
Air Force	MC-130E Weapons System Trainer	MC-130E WST
Air Force	MC-130H Mission Rehearsal Device	MC-130H MRD
Air Force	MC-130H Weapons System Trainer	MC-130H WST
Air Force	MC-130P Weapons System Trainer	MC-130P WST
Air Force	MH-53J Weapons System Trainer	MH-53J WST
Air Force	MH-60G Weapons System Trainer	MH-60G WST
Air Force	MIL-AASPEM2	MIL II
Air Force	Mission Crew Training Subsystem	MCTS
Air Force	Mission Planning System & Portable Flight Planning System	MPS/PFPS
Air Force	National Air & Space Warfare Model	NASM

DoD Component	Simulation name	Acronym
Air Force	Open Air Ranges (Edwards)	OAR (EDW)
Air Force	Open Air Ranges (Eglin)	OAR (EGL)
Air Force	Reconfigurable Research Simulator	RRS
Air Force	Rivet Joint Mission Trainer	RJMT
Air Force	Rivet Joint Virtual Simulator	RJVS
Air Force	Satellite and Missile Analysis Tool	SMAT
Air Force	Satellite-Based Navigation Performance Model	SNAPM
Air Force	Space Based Infrared System Simulation	SBIRSim
Air Force	Spacecraft Simulation Toolkit	SST
Air Force	Strategic and Theater Attack Modeling Process	STAMP
Air Force	Suppressor Composite Mission Simulation	-
Air Force	Systems Effectiveness Analysis Simulation	SEAS
Air Force	T-38 Multi-task Trainer	T-38 MTT
Air Force	TH-53A Operational Flight Trainer	TH-53A OFT
Air Force	Theater Air Command & Control Simulation Facility	TACCSF
Army	Advanced Command, Control, and Communications	AC3
Army	Advanced Electronic Warfare Simulation	ADEWS
Army	Advanced Multiple Object Acquisition System	AMOAS
Army	Advanced Regional Exploratory System	ARES
Army	Advanced Simulation Center Army TACMS Simulation	ASCATS
Army	Advanced Threat Infrared Countermeasures / Common Missile Warning	ATIRCM / CMWS

DoD Component	Simulation name	Acronym
Army	ARCTIC Gateway	ARCTIC
Army	Army Warfighting Simulation	AWARS
Army	Avenger Institutional Conduct of Fire Trainer (ICOFT) Testbed	Avenger ICOFT
Army	Aviation Combined Arms Tactical Trainer - Aviation Reconfigurable	AVCATT-A
Army	AvRDEC Modeling and Simulation Complex	AMSIM
Army	BAT/P3I BAT STRIKE (DIS Version)	STRIKE
Army	Battlefield Highly Immersive Virtual Environment	B-HIVE
Army	BRL-CAD Synthetic Wideband Imaging Spectrophotometer and	BRL-CAD SWISS
Army	Chemical Biological Defense Simulation Suite	CBD Sim Suite
Army	Close Combat Tactical Trainer	CCTT
Army	Comanche Portable Cockpit	CPC
Army	Combat Maneuver Training Center - Objective Instrumentation System	CMTC-OIS
Army	Combat Vehicle Engineering Simulation	CVES
Army	COMBAT XXI	COMBAT XXI
Army	Core DIS Facility	CDF
Army	Crusader Crew Station Trainer	Crusader CST
Army	Crusader Embedded Training	Crusader ET
Army	Data Collection and Analysis Tool	DCAT
Army	Defense Laser Target Signatures Code	DELTAS
Army	Development and Test Simulation	DTSIM
Army	Distributed Intelligent Agents for Logistics	DIAL

DoD Component	Simulation name	Acronym
Army	Distributed Interactive Simulation of Weapons Location Radar	DISWLR
Army	Dynamic InfraRed Scene Projector	DIRSP
Army	Enhanced Fiber Optic Missile Stationary Simulator	EFOGM SS
Army	Extended Air Defense Simulation	EADSIM
Army	FireSim XXI (Formerly Target Acquisition Fire Support Model)	FIRESIM XXI
Army	Global Deployment Analysis System	GDAS
Army	Homestation Instrumentation System	HSI
Army	Institutional WOLVERINE Training Devices and Simulators	Wolverine TADSS
Army	Integrated Forward Area Air Defense Simulation	FAAD IFS
Army	Intelligence Electronic Warfare Tactical Proficiency Trainer	IEWTPT
Army	Interactive Distributed Engineering Evaluation Analysis Simulation	IDEEAS
Army	Janus	Janus
Army	JAVELIN Virtual Prototype Simulator	VPS (Javelin)
Army	Joint Readiness Training Center - Objective Instrumentation System	JRTC-OIS
Army	Line of Sight Anti-Tank (LOSAT) Virtual Prototype Simulation	LOSAT VPS
Army	M2 Bradley	M2 Bradley
Army	(MADCAP) Integration Management Initiative	MIMI
Army	Maneuver Combat Training Center / Army Battle Command System	MCTC / ABCSI
Army	MH-60K / MH-47E Special Operations Aviation Combat Mission Simulator	MH-60K / MH-47E
Army	MLRS Advanced Tactical Simulation	MATS
Army	Mobile Automated Instrumentation Suite	MAIS

DoD Component	Simulation name	Acronym
Army	Mobilization Capabilities Evaluation Model	MOBCEM
Army	Multiple Unified Simulation Environment	MUSE
Army	National Training Center Objective Instrumentation System	NTC-OIS
Army	Next Generation Performance Model	NGPM
Army	OneSAF	OneSAF
Army	Optical Signatures Code	OSC
Army	PC Interface Unit	PIU
Army	Post-Engagement Ground Effects Model	PEGEM
Army	Powered Submunition Simulation-Mission Planner	PSS-MP
Army	Raptor Emulator (IMF/IAS Emulator)	RAPTOR
Army	Reconfigurable Tactical Operations Simulator	RTOS
Army	Sentinel	Sentinel
Army	Simulation of Logistics Systems	SIMULOGS
Army	Simulation Testing Operations Rehearsal Model	STORM
Army	Situational Awareness Tactical Internet Data Server	SATIDS
Army	Smart Munitions Analysis Code	SMAC
Army	Smart Munitions Test Suite	SMTS
Army	Soldier Protective Ensemble Computer Aided Design System	SPE-CAD
Army	Static Entity Server	SES
Army	Symbolically Optimized Vehicle Analysis System	SOVAS
Army	Tactical Internet Model	TIM

DoD Component	Simulation name	Acronym
Army	Tactical Simulation Interface Unit	TSIU
Army	TOW IBAS 6-Degrees Of Freedom	TOW IBAS 6-DOF
Army	TOW ITAS 6-DOF	TOW ITAS 6-DOF
Army	Transportable Range Augmentation and Control System	TRACS
Army	Transportation Capability Model	TRANSCAP
Army	Unmanned Ground Vehicle	UGV
Army	VETRONICS Simulation Facility	VSF
Army	Warfighters' Simulation 2000	WARSIM 2000
Army	WARSIM Intelligence Model	WIM
Army	Weather and Atmospheric Visualization Effects for Simulation	WAVES
Army	XM15S	XM15S
Army	XM17S	XM17S
Army	XM330ES	XM330ES
Army	XMDEWS	XMDEWS
BMDO	Composite Hardbody and Missile Plume	CHAMP
BMDO	End-To-End Simulation	ETESIM
BMDO	Extended Air Defense Testbed	EADTB
BMDO	Interactive Constructive Environment	ICE
BMDO	Israeli Test Bed	ITB
BMDO	Missile Defense Simulation Toolkit (MDST)	MDST
BMDO	Parametric Endo/Exoatmospheric Lethality Simulation	PEELS

DoD Component	Simulation name	Acronym
BMDO	Synthetic Scene Generation Model	SSGM
BMDO	Tactical Command System/Defense Design System Exerciser	TCS/DDSE
BMDO	Tactical Engagement Analysis Model	Team-II
BMDO	THAAD Integrated System Effectiveness Simulation	TISES
BMDO	THAAD Simulation	THAADSIM
BMDO	Theater Missile Defense System Exerciser	TMDSE
BMDO	Threat Model '93 (formerly Trajectory Generator)	TM93 (formerly
BMDO	Wargame 2000	WG2K
DARPA	Synthetic Theater of War	STOW
DIA	Digital Integrated Combat Evaluator	DICE
DISA	C4ISR Federation	C4ISR Model
DISA	Common Operational Modeling Planning and Simulation Strategy	COMPASS
DTRA	Consequence Analysis Tool Set	CATS
DTRA	Integrated Theater Engagement Model	ITEM
DTRA	Weapons Analysis and Lethality ToolSet	WALTS
Joint Staff	Analysis of Mobility Platform	AMP
Joint Staff	Joint Flow and Analysis System for Transportation	JFAST
Joint Staff	Joint Simulation System	JSIMS
Joint Staff	Network Warfare Simulation	NETWARS
NAVY/MC	Advanced Amphibious Assault Vehicle Crew Station Simulator	AAAV CSS
NAVY/MC	AEGIS Combat System Interface Simulator	ACSIS

DoD Component	Simulation name	Acronym
NAVY/MC	AH-1W Aircrew Procedures Trainer	AH-1W APT
NAVY/MC	AH-1W Weapon System Trainer	AH-1W WST
NAVY/MC	Air Combat Environment Test and Evaluation Facility	ACETEF
NAVY/MC	AN/SQQ-89(V)-(T) On Board Trainer	89 OBT
NAVY/MC	Applied Physics Laboratory -- Multiple Battlefield Engagements and	APL-MBER
NAVY/MC	AV-8 Night Attack Weapons System Trainer	AV-8 NAWST
NAVY/MC	AV-8 Radar Night Weapons System Trainer	AV-8 RNAWST
NAVY/MC	AV-8B Operational Flight Trainer	AV-8B OFT
NAVY/MC	AV-8B Weapons Systems Trainer	AV-8B WST
NAVY/MC	Battle Force Tactical Training	BFTT Baseline I
NAVY/MC	Bridge/Combat Information Center Trainer	B/CICT (20B6D)
NAVY/MC	C-130 Operational Flight Trainer	C-130 OFT
NAVY/MC	CH-46E Aircraft Procedures Trainer	CH-46E APT
NAVY/MC	CH-46E Weapon System Trainer	CH-46E WST
NAVY/MC	CH-53E Weapon System Trainer	CH-53E WST
NAVY/MC	Combat System Control Environment	CSCE
NAVY/MC	Combat Vehicle Appended Trainer	CVAT
NAVY/MC	Commanding Officer's/Officer of the Deck Simulated Tactical Display	COSTD
NAVY/MC	Cruise Missile Trajectory Generation Tool	CMTGT
NAVY/MC	CV-22	CV-22
NAVY/MC	DD21 Smart Product Model	DD21 SPM

DoD Component	Simulation name	Acronym
NAVY/MC	E2-C Weapon System Trainer	E-2C WST
NAVY/MC	EA-6B Operational Flight/Navigation Trainer Marine Corps Version	EA-6B OFNT
NAVY/MC	EA-6B WST,ECT, and TT Follow-On	EA-6B WST,ECT,
NAVY/MC	Encounter	-
NAVY/MC	F-14B/A Weapon System Trainer	F-14B/A WST
NAVY/MC	F-14D Mission Flight Trainer	F-14D MFT
NAVY/MC	F-14D Weapon System Trainer	F-14D WST
NAVY/MC	F-18 Operational Flight Trainer	F-18 OFT
NAVY/MC	F-18 Weapon Tactics Trainer	F-18 WTT
NAVY/MC	Forward Observer Training System (FOTS)	Device 16C82
NAVY/MC	Integrated Ship Defense Simulations - Control SSDS	ISD Control SSDS
NAVY/MC	Integrated Ship Defense Simulations - Detect CIWS	ISD Detect CIWS
NAVY/MC	Integrated Ship Defense Simulations - Engage RAM Block 0	ISD Engage RAM
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Control ACDS	ISD Control ACDS
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Detect CEC	ISD Detect CEC
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Detect MK-95	ISD Detect MK-95
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Detect SPQ-9B	ISD Detect SPQ-9B
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Detect SPS-48E	ISD Detect
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Detect SPS-49(MPU)	ISD Detect
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Engage CIWS	ISD Engage CIWS
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Engage ESSM	ISD Engage ESSM

DoD Component	Simulation name	Acronym
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Engage Nulka	ISD Engage Nulka
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Engage Passive	ISD Engage
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Engage RAM Block 1	ISD Engage RAM
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 2) - Ownship Data EM	ISD Ownship Data
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3)a - Environment	ISD Environment
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Counter Targeting	ISD Counter
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Detect AIEWS (ESM)	ISD Detect AIEWS
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Detect Conceptual	ISD Detect
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Detect IRST	ISD Detect IRST
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Detect TISS	ISD Detect TISS
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Engage	ISD Engage
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Engage IR Decoys	ISD Engage IR
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Ownship IR Signature	ISD Ownship IR
NAVY/MC	Integrated Ship Defense Simulations (ISD PHASE 3) - Reactive Threats Test	ISD Reactive
NAVY/MC	Integrated Ship Defense Simulations - Reactive Threats Dual Mode IR/RF	ISD Reactive
NAVY/MC	Joint Tactical Combat Training System	JTCTS
NAVY/MC	Land or Sea Gun System Simulation	LSGUNS
NAVY/MC	Link 11 Interoperability Simulation and Certification System	MULTOTS ISA
NAVY/MC	Maritime Support Activity VP AN/ASQ-212 Simulation System	P3-C Simulator
NAVY/MC	Multi Unit Link Test and Operational Training Simulation/MLST3	MULTOTS
NAVY/MC	Multi Warfare System Evaluator	MWSE

DoD Component	Simulation name	Acronym
NAVY/MC	Multi-Target Effectiveness Under Simulation for AEGIS	MEDUSA
NAVY/MC	MV-22 Flight Training Device	MV-22 FTD
NAVY/MC	MV-22 Full Flight Simulator	MV-22 FFS
NAVY/MC	Naval Air Battle Evaluation Model II	NABEM II
NAVY/MC	Naval Mine Warfare Simulation	NMWS
NAVY/MC	NAWC-CL Fuze Point	FUZPT
NAVY/MC	P-3C Update III Weapons System Trainer	P-3C Update III
NAVY/MC	Range Computation & Control System (RCCS II)/Data Analysis System	RCCS II/DAS
NAVY/MC	Raytheon STANDARD Missile RSMC 6DOF Simulation	SM S2&S3
NAVY/MC	S-3B Weapon System Trainer	S-3B WST
NAVY/MC	Scenario-Structured Operational Requirements Model	SSTORM
NAVY/MC	SH-60B Operational Flight Trainer / Weapon Tactics Trainer	SH-60B OFT /
NAVY/MC	SH-60F Operational Flight Trainer / Weapon System Trainer	SH-60F OFT/WST
NAVY/MC	Software System Integration Lab	SSIL
NAVY/MC	Sonar Employment Trainer	SET
NAVY/MC	STANDARD Missile Hardware-In-the-Loop	SMCo HIL
NAVY/MC	STANDARD Missile-2 Block IIIB 6DOF Simulation	SM-2 Blk IIIB
NAVY/MC	STANDARD Missile-2Block IV 6DOF Simulation	SM-2Blk IV
NAVY/MC	STANDARD Missile-2Block IVA 6DOF Simulation	SM-2 Blk IVA
NAVY/MC	STANDARD Missile-3 6DOF Simulation	SM-3
NAVY/MC	STANDARD Missile-3 6DOF Simulation (TIMFUZ)	TIMFUZ

DoD Component	Simulation name	Acronym
NAVY/MC	STANDARD Missile-4 6DOF Simulation (SM-4 (LASM))	SM-4 (LASM)
NAVY/MC	Submarine Multi-Mission Team Trainer	SMMTT
NAVY/MC	Submarine Piloting and Navigation (2000)	SPAN (2000)
NAVY/MC	Tactical Operational Scene	TOPSCENE
NAVY/MC	Tomahawk Advanced Flight Simulation Monte Carlo	TAFSMC
NAVY/MC	Tomahawk Advanced Flight Simulation Monte Carlo (Block IV)	TAFSMCIV
NAVY/MC	Tomahawk Engineering Simulation	TES
NAVY/MC	Tomahawk Mission Validation System Register Level Simulation	TMVS
NAVY/MC	UH-1N Aircrew Procedures Trainer	UH-1N APT
NAVY/MC	UH-1N Weapon System Trainer	UH-1N WST
NAVY/MC	Virtual Environment Submarine	VESUB
NAVY/MC	VS Simulation Prototype System	S3-B Simulator
NAVY/MC	Warhead Evaluation Program	WHDEVAL
Navy/MC	Weapon Simulation Federate	WSF
NAVY/MC	Weapons Analysis Facility	WAF
NAVY/MC	Weapons Simulation	WEPSIM
NSA	Joint Simulation System (JSIMS) Signals Intelligence (SIGINT) Simulation	J-SIGSIM
OSD (Net	Joint Integrated Contingency Model	JICM
OSD(PA&E)	Joint Warfare System	JWARS

Total records found: 292

DoD Component	Simulation name	Acronym
Air Force	Adaptive Satellite Communications Analysis Computer Program	SATCOM
Air Force	Analog/Microwave Circuit Modeling and Simulation	-
Air Force	Battle Damage Assessment Simulation	BDASIM
Air Force	Block Oriented Network Simulator	BONeS
Air Force	C-141 Operational Flight Trainer (ANG)	C-141 OFT
Air Force	Chaff Cloud Model	CCM
Air Force	Enhanced Surface-to-Air Missile Simulation	ESAMS
Air Force	Generic Link End-to-End Model	GLEEM
Air Force	Joint Primary Aircrew Training System	JPATS
Air Force	Kadena Interim Tracking System	KITS
Air Force	Libra	-
Air Force	Low Observables Design Synthesis Tool	-
Air Force	Operations Atlantis II	OPSALT II
Air Force	Reengineered Air Warfare Simulation	AWSIM/R
Air Force	SHAZAM2 Endgame Model	-
Air Force	Simulator for Electronic Combat Training	SECT
Air Force	Supercompact PC	-
Air Force	T-1 Trainer Flight Simulator	T-1 TFS
Air Force	T-37 Instrument Flight Simulator	T-37 IFS
Air Force	T-38A Instrument Flight Simulator	T-38 IFS

DoD Component	Simulation name	Acronym
Air Force	T-45 Navigator Simulator	T-45 NTS
Air Force	THUNDER	THUNDER
Air Force	Yukon Measurement and Debriefing System	YMDS
Army	Abrams Full-Crew Interactive Simulator Trainer	A-FIST
Army	AH-1 Flight and Weapons Simulator (FWS)	AH-1 FWS
Army	AH-64 Combat Mission Simulator	AH-64 CMS
Army	Brigade/Battalion Battle Simulation	BBS
Army	CH-47 Flight Simulator	CH-47 FS
Army	Combat Maneuver Training Center Instrumentation System	CMTC-IS
Army	Combat Service Support Training Simulation System	CSSTSS
Army	Combined Arms and Support Task Force Evaluation Model	CASTFOREM
Army	Computer Assisted Map Exercise	CAMEX
Army	Concepts Evaluation Model	CEM
Army	Corps Battle Simulation	CBS
Army	Force Evaluation Model	FORCEM
Army	Joint Readiness Training Center Instrumentation System	JRTC-IS
Army	Multifunction Simulation	MFSIM
Army	National Training Center Intstrumentation System	NTC-IS
Army	Patriot Added Capability - Block 2	PAC2SIM
Army	Patriot Added Capability - Block 3	PAC3SIM

DoD Component	Simulation name	Acronym
Army	Radar-Directed Gun System Simulation	RADGUNS
Army	Run Time Manager	RTM
Army	Simulation Support Modules	SSMs
Army	Simulator Networking	SIMNET
Army	Spectrum	SPECTRUM
Army	Surveillance Testbed	STB
Army	System Perfomance Model	SPM
Army	Tactical Simulation (Joint Training Confederation)	TACSIM(JTC)
Army	Tactical Simulation (Operational Test)	TACSIM(OT)
Army	TOTSIM95	TOTSIM95
Army	UH-1 Synthetic Flight Training System	UH-1 SFTS
Army	UH-60 Synthetic Flight Training System	UH-60 SFTS
Army	Vector In Commander	VIC
Joint Staff	Deployable Exercise System	DEXES
Joint Staff	Fallout Assessment System/Civilian Vulnerability Indicator Code	FAS/CIVIC
Joint Staff	Force Deployment Estimator	FDE
Joint Staff	Force Dynamics Model	FDM
Joint Staff	Joint Command and Control Attack System	JCAS
Joint Staff	Joint Electronic Combat Electronic Warfare Simulation	JECEWSI
Joint Staff	Joint Network Simulation	JNETS

DoD Component	Simulation name	Acronym
Joint Staff	Joint Operations Information Simulation	JOISIM
Joint Staff	NORAD Air Defense Model (Visual)	NADM_V
Joint Staff	TACWAR Integrated Environment	TACWAR (TIE)
Joint Staff	Theater Analysis Model	TAM
NAVY/MC	Air Tactical Control Operator Trainer	ATACO (20F18/A)
NAVY/MC	AN/BSY-1 TT	BTT
NAVY/MC	AN/SPY-1 RADAR Firm Track Simulation	FIRMTRACK
NAVY/MC	Battle Group Simulation	BGS
NAVY/MC	Battle Group Simulation/Theater Air Defense Simulation	BGS/TADSIM
NAVY/MC	Combat System Simulation System	CSSS
NAVY/MC	Command and Control TT	21B64
NAVY/MC	EA-6B Electronic Combat Trainer	EA-6B ECT
NAVY/MC	EA-6B Operational Flight and Navigation Trainer	EA-6B OFT
NAVY/MC	EA-6B Team Tactics Trainer	EA-6B TT
NAVY/MC	EA-6B Weapons System Trainer	EA-6B WST
NAVY/MC	Enhanced Naval Warfare Gaming System	ENWGS
NAVY/MC	FFG SQS-56 Sonar Operator Trainer	FFG SOT (14E28)
NAVY/MC	Flight Dynamics Computer Lab	FDCL
NAVY/MC	Infrared Seeker Trade-Off Requirements Model II	IRSTORM II
NAVY/MC	Jampot	JAMPOT

DoD Component	Simulation name	Acronym
NAVY/MC	Marine Air Ground Task Force Tactical Warfare System	MTWS
NAVY/MC	MV-22 Operational Flight Trainer	MV-22 OFT
NAVY/MC	Phoenix Launch Model	PHLAMO
NAVY/MC	"Research, Evaluation, and System Analysis"	RESA
NAVY/MC	S-3B Training Simulation	S-3B
NAVY/MC	SPY Sensor Simulation Unit	SPY SSU
NAVY/MC	SPY-1 Standalone Simulation	S3
NAVY/MC	STANDARD Missile Foreign Military Sales	SM FMS
NAVY/MC	STANDARD Missile-2 Block II 6DOF Simulation	SM-2 Blk II
NAVY/MC	STANDARD Missile-2 Block III 6DOF Simulation	SM-2 Blk III
NAVY/MC	STANDARD Missile-2 Block IIIA 6DOF Simulation	SM-2 Blk IIIA
NAVY/MC	STANDARD Missile-5 6DOF Simulation	SM-5
NAVY/MC	STANDARD Missile-I Block VIB 6DOF Simulation	SM-1 BLK VIB
NAVY/MC	Submarine Combat Systems Team Trainer	CSTT (21A43)
NAVY/MC	Submarine Piloting and Navigation Trainer	SPAN (15F12C)
NAVY/MC	System Performance Evaluator Comprising Target RADAR Missile	SPECTRM
NAVY/MC	T-2 Operational Flight Trainer	T-2 OFT
NAVY/MC	T-34 Operational Flight Trainer	T-34 OFT
NAVY/MC	T-44 Operational Flight Trainer	T-44 OFT
Navy/MC	T-45A Instrument Flight Trainer	T-45A IFT

DoD Component	Simulation name	Acronym
Navy/MC	T-45A Operational Flight Trainer	T-45A OFT
NAVY/MC	T-A4 Operational Flight Trainer	TA-4 OFT
NAVY/MC	TH-57 Operational Flight Trainer	TH-57 OFT
NAVY/MC	Time and Energy Management Simulation	TEMSIM
NAVY/MC	Tomahawk Advanced Flight Simulation Co-variance Analysis Program for	TAFSCAP
NAVY/MC	Tomahawk Advanced Flight Simulation Co-variance Analysis Program for	TAFSCAPIV
NAVY/MC	TRIDENT Command and Control Team Trainer	TCCTT (21A42A)
NAVY/MC	TRIDENT Defensive Weapons Operator Trainer	DWOT (21B67)
NAVY/MC	Trident Sonar Operator Trainer / Sonar Team Training Laboratory	TSOT / STTL
NIMA/PAS	Exploitation Center Analysis Tool	ECAT
OSD(PA&E)	Model for Intertheater Deployment by Air and Sea	MIDAS
OSD(PA&E)	Scenario Unrestricted Mobility Model for Intra-Theater Simulation	SUMMITS

Total records found: 112

DoD Component	Simulation name	Acronym
Air Force	7V10V	-
Air Force	A-10 Cockpit Procedures Trainer	A-10 CPT
Air Force	A-10 Egress Procedures Trainer	A-10 EPT
Air Force	A-10 Multi-task Trainer (AFRC Ownership)	A-10 MTT
Air Force	A-10 Unit Training Device	A-10 UTD
Air Force	Adaptive Nulling Program	ADAPT_NULL
Air Force	Advanced Airborne Surveillance Radar Simulation	AASRSIM
Air Force	Advanced Systematic Analysis Expert	ASAX
Air Force	Advanced Systematic Analysis Production	ASAP
Air Force	AERO TELMOD	-
Air Force	AF-GEOSpace	AF-GEOSpace
Air Force	Aimpoint Selection Algorithm	APS
Air Force	Aircraft Survivability Simulation Facility	-
Air Force	APATCH	-
Air Force	ARC Reflector Code II	ARCREF2
Air Force	B-1 Cockpit Trainer	B-1 CPT
Air Force	B-2 Cockpit Procedures Trainer	B-2 CPT
Air Force	B-2 Maintenance Trainer	B-2 MT
Air Force	B-52 Cockpit Procedures Trainer	B-52 CPT
Air Force	B-52 Electronic Warfare Simulator	B-52 EWS
Air Force	Bottom Line Simulation	-
Air Force	C-130E Cockpit Procedures Trainer	C-130E CPT
Air Force	C-130E Weapon System Trainer (ANG)	C-130 WST
Air Force	C-141 Aerial Refueling Part Task Trainer (ANG)	C-141 ARPTT
Air Force	C-141 Cockpit Procedures Trainer	C-141 CPT

DoD Component	Simulation name	Acronym
Air Force	C-141 Operational Flight Trainer	C-141 OFT
Air Force	C-141 Weapon System Trainer	C-141 WST
Air Force	C-17 Cockpit Compartment Trainer	C-17 CCT
Air Force	C-17 Cockpit Systems Simulator	C-17 CSS
Air Force	C-5 Cockpit Procedures Trainer	C-5 CPT
Air Force	C-5 Weapon System Trainer	C-5 WST
Air Force	C-5/C-141 Aerial Refueling Part Task Trainer	ARPTT
Air Force	CAE Soft Parametric Antenna Analysis System	CS-PAAS
Air Force	CAE Soft Radar Analysis Simulation Tool	CS-RAST
Air Force	Cloud Scene Simulation Model	CSSM
Air Force	Comm Network Modeling Tool (Enhanced)	CNMT - E
Air Force	COMPASS CALL Airborne Trainer (Block 30)	-
Air Force	Comprehensive E-Region Auroral Clutter Model	CERAC
Air Force	Computer Aided Electronic Warfare Information System	CAEWIS
Air Force	Digital Logic Modeling and Simulation	-
Air Force	E-3 Flight Simulator	-
Air Force	Electronic Antenna Model	-
Air Force	End-To-End Simulation	ETESIM
Air Force	Enhanced Lincoln Interactive Analysis System	ELIAS
Air Force	F-15 Full Mission Trainer (ANG)	F-15 FMT
Air Force	F-15 Operational Flight Trainer (ANG)	F-15 OPT
Air Force	F-15 Weapon Task Trainer	F-15 WTT
Air Force	F-16 Cockpit Familiarization Trainer	F-16 CFT
Air Force	F-16 Cockpit Procedures Trainer (ANG)	F-16 CPT
Air Force	F-16 Egress Procedures Trainer	F-16 EPT

DoD Component	Simulation name	Acronym
Air Force	F-16 Part Task Trainer	F-16 PTT
Air Force	F-16 Part Task Trainer (ANG)	F-16 PTT
Air Force	F-16 Unit Training Device	F-16 UTD
Air Force	F-16 Unit Training Device	F-16 UTD
Air Force	F-16 Unit Training Device (ANG)	F-16 UTD
Air Force	Fire Control Sensor Model	FCSM
Air Force	General Electromagnetic Model for the Analysis of Complex Systems	GEMACS
Air Force	Hardbody Handover	HBHO
Air Force	Hardbody Handover Test Bed	HBHO
Air Force	Hybrid Bistatic Radar Sim	HBRSIM
Air Force	In-Flight Simulation	-
Air Force	Infrared Signature Analysis Model	ASSIST
Air Force	Intelligence Data Analysis System for Spacecraft	IDASS
Air Force	Interactive Radar Simulation System	IRSS
Air Force	Intrasystem Electromagnetic Compatibility Analysis Program	IEMCAP
Air Force	J-STARS Flight Simulator	-
Air Force	Joint Education Mobility Model	JEMM
Air Force	Joint Electronic Combat/Electronic Warfare Simulation	JECEWSI
Air Force	KC-10 Cockpit Procedures Trainer	KC-10 CPT
Air Force	KC-135 Boom Operator Part Task Trainer	KC-135 BOPTT
Air Force	KC-135 Operational Flight Trainer	KC-135 OFT
Air Force	Kinetic Kill Vehicle Hardware-In-The-Loop Simulation Facility	KHILS
Air Force	Laser Radar Simulation	LADSIM
Air Force	MAGIC	-
Air Force	Modular Semi-automated Forces	ModSAF

DoD Component	Simulation name	Acronym
Air Force	Multiple Target Tracking	MTT
Air Force	Multiuser Interactive Debelopment and Analysis Software	MIDAS
Air Force	Optimized Network Engineering Tools	OPNET
Air Force	Phillips Lab EXpert User System	PLEXUS
Air Force	RC-135-Operational Flight Trainer	RC-135 OFT
Air Force	Scenario Toolkit and Generation Environment (STAGE)	STAGE
Air Force	Scintillation Network Decision Aid	SCINDA
Air Force	Sensor Simulation	SENSIM
Air Force	Simulation and Assessment Branch	-
Air Force	"Simulation, Monitoring, Analysis, Reduction, and Test System"	SMARTS
Air Force	Space and Missile Training System	SMTS
Air Force	Space Antenna Radio Frequency Simulation	SARF
Air Force	Space Based Radar Simulation	SBRSIM
Air Force	Speckle Model	-
Air Force	SPICE	-
Air Force	Synthetic Battlefield Development Environment	SYNBAD
Air Force	System for Interactive Multispectral Analysis	SIMAN
Air Force	T-38C Introduction to Fighter Fundamentals	T-38C IFF
Air Force	Target Identification Algorithm	-
Air Force	Target Scheduling	-
Air Force	Threat Fighter Simulation	TFS
Air Force	Velocity Filter	-
Air Force	VHDL Simulation	-
Army	Advanced Gunnery Training System	AGTS
Army	Analytical Simulation Team	ASIM

DoD Component	Simulation name	Acronym
Army	Battle Lab Reconfigurable Simulator Initiative	BLRSI
Army	Combat Maneuver Training Center Brigade Operations	CMTC BDE OPS
Army	Combat Maneuver Training Center-Live Fire	CMTC-LF
Army	Detailed Electro-Optical Simulation	DESIM
Army	Dragon Launch Effects Simulator	Dragon LES
Army	Dragon Launch Effects Trainer	Dragon LET
Army	Enhanced Lethality End Game Simulation	ELEGS
Army	Fire Support Automated Test System	FSATS
Army	Fire Support Combined Arms Tactical Trainer	FSCATT
Army	Grizzly Training Aids, Devices, Simulators and Simulations	Grizzly-TADSS
Army	Israeli Test Bed	ITB
Army	Joint Training Confederation	JTC
Army	M-70 Trainer	M-70 TRNR
Army	Man-in-the-loop Motion-base Simulation	MBS
Army	Missile System/Subsystem Simulation	SSS
Army	Multiple Independent Laser Engagement System	MILES
Army	Multiple Independent Laser Engagement System Air Ground Engagement	MILES AGES II
Army	National Automotive Center-Visual Performance Model	NAC-VPM
Army	Optimized Network Engineering Tools	OPNET
Army	Patient Workload Generation Model	PATGEN
Army	Patriot Surveillance Simulation	PASS
Army	Physically Reasonable Infrared Signature Model	PRISM
Army	SMart On-Board Data Interface Module	SMODIM
Army	US Army Tank-Automotive and Armaments Command (TACOM) Thermal	TTIM
BMDO	Commander's Analysis and Planning Simulation	CAPS

DoD Component	Simulation name	Acronym
BMDO	Joint Theater Missile Defense Planner now Joint Defensive Planner	JDP(JTMDP)
BMDO	Kinetic Kill Vehicle Hardware-In-The-Loop Simulation Facility	KHILS
BMDO	SETA THAAD Analysis Tool	STAT
BMDO	Space Based Infrared System/Wargaming Model	SBIRS/WM
BMDO	Tactical Engagement Analysis Model	Team-II
DARPA	Simulation Based Design	SBD
DIA	Joint Modeling and Simulation System	JMASS
DISA	Joint Theater Level Simulation	JTLS
DTRA	Hazard Predicition and Assessment Capability	HPAC
DTRA	High-Altitude EMP Target Analysis and Planning System	HEMP-TAPS
DTRA	Integrated Nuclear Calculational Aids	INCA
DTRA	Munitions Effects Assessment	MEA
DTRA	Operational Multiscale Environment Model with Grid Adaptivity	OMEGA
DTRA	Radiometric Atmospheric Dust Environment	RADE
DTRA	SCIPUFF	SCIPUFF
DTRA	Virtual Interactive Target	VIT
Joint Staff	Space / Earth ElectroMagnetic Compatibility Radiation	SEER
NAVY/MC	2 Speed Motor Controller Trainer	MCT (11E15)
NAVY/MC	Advanced AEGIS Weapon System Simualtion	AAWSS
NAVY/MC	Advanced Ballistic Missile Engagement Model	ABMEM
NAVY/MC	Advanced Power Projection Planning and Execution	APPEX
NAVY/MC	Advanced Standard Missile Echo Card	ASMEC
NAVY/MC	Advanced Tactical Electronic Warfare Environmental Simulator	ATEWES
NAVY/MC	AEGIS Low Altitude Engagement Model	ALAEM
NAVY/MC	AEGIS N Series Simulator	ANS

DoD Component	Simulation name	Acronym
NAVY/MC	AFFT (19F1A)	Advanced Fire
NAVY/MC	AFFT (19F1B)	Advanced Fire
NAVY/MC	AFFT (19F4A)	Aircraft Fire
NAVY/MC	AH-1W Aircrew Procedures Trainer	AH-1W WPT
NAVY/MC	AH-1W Weapon System Trainer	AH-1W WST
NAVY/MC	AN/APS-137 Radar Simulator	RADAR
NAVY/MC	AN/WSN-5 Real-time Inertial Platform Simulation	WRIPS
NAVY/MC	ANTI-TANK (17C9)	Target Pop System
NAVY/MC	Artillery Mine Noise Simulator	AMNS (17A1B)
NAVY/MC	ASAE (16C53C)	Amphibious
NAVY/MC	ASROC Missile Echo Card	AMEC
NAVY/MC	ASROC Missile Echo Unit	AMEU
NAVY/MC	ASWCS Multi-Configuration Environment Simulator	AMES
NAVY/MC	AT-4	M287 AT-4
NAVY/MC	ATD (16F1)	Amphibious
NAVY/MC	ATFT	Aerial Target
NAVY/MC	AV-8B Computer Aided Instruction System Trainer	AV-8B CAIST
NAVY/MC	BFCOT (21B63A)	Basic Fire Control
NAVY/MC	BFFT (19F3B)	Basic Fire Fighter
NAVY/MC	BOT	Basic Operator
NAVY/MC	C-130 Instrument Flight Trainer	C-130 IFT
NAVY/MC	C-130 Operational Flight Trainer	C-130 OFT
NAVY/MC	CAPTAIN/CAPTAIN III	-
NAVY/MC	Cardiopluminary Resusitation Trainer	CPRT (9H20)
NAVY/MC	Cargo Handling Heavy AKA-11 Trainer	CHHT (11H63)

DoD Component	Simulation name	Acronym
NAVY/MC	Cargo Handling Trainer	CHT (X11H44)
NAVY/MC	Carry-On Combat System Trainer	COCST
NAVY/MC	CH-46E Automatic Flight Control Trainer (AFCS)	CH-46E AFCT
NAVY/MC	CH-46E Hydraulic System Trainer	CH-46E HST
NAVY/MC	CH-53D Operational Flight Trainer	CH-53D OFT
NAVY/MC	CH-53E Aircrew Procedures Trainer	CH-53E APT
NAVY/MC	CH-53E Electrical Systems Trainer	CH-53E EST
NAVY/MC	CH-53E Hydraulic System Trainer	CH-53E HST
NAVY/MC	Claymore Mine Trainer	CM (18A1)
NAVY/MC	Combat Arms Staff Trainer	CAST
NAVY/MC	Combat Electromagnetic Environment Simulator	CEESIM
NAVY/MC	Combined Arms Staff Trainer	CAST (16N8)
NAVY/MC	Common Basic Operator Trainer	CBOT
NAVY/MC	Consolidated Data Link Simulator	CDLS
NAVY/MC	"Cruise Missile Trainer, Personal Computer"	CMTpc
NAVY/MC	Data Terminal Set Simulator	DTSS
NAVY/MC	DCT (21C6)	Submarine
NAVY/MC	DD 963 ECSS Operator/Maintenance Trainer	ECSS OMT (19E3)
NAVY/MC	Dynamic Satellite Operational Trainer	DSOT
NAVY/MC	E-2C Part Task Trainer	E-2C PTT
NAVY/MC	EA-6B Aircrew Procedures Trainer	EA-6B APT
NAVY/MC	ECSS OMT (19E3)	DD 963 ECSS
NAVY/MC	Electrolytic Oxygen Generator Front Panel Simulator Microprocessor	EOG FPS
NAVY/MC	Explosive Simulation Device	ESD (3H14)
NAVY/MC	Exterior Communications Subsystem Operator Laboratory	SSN ECS OPS

DoD Component	Simulation name	Acronym
NAVY/MC	F-14A Mission Trainer	F-14A MT
NAVY/MC	F-14A Operational Flight Trainer	F-14A OFT
NAVY/MC	F-18 Computer Aided Instruction System Trainer	F-18 CAIST
NAVY/MC	F-18 SAMPT	F-18 SAMPT
NAVY/MC	Fir Control System Cruiser/Destroyer Common Simulator	FCDSIM
NAVY/MC	Fleet AAW Model for Comparison of Tactical Systems	FACTS
NAVY/MC	GD HPTS (19H3)	ARS 50 Generic
NAVY/MC	Generic Acoustic Stimulator System Prototype	GASS Prototype
NAVY/MC	Generic Navy Stimulator/simulator	GNSS
NAVY/MC	Global Positioning System reference model	Tomahawk GPS
NAVY/MC	GT PPT (19G4)	Gas Turbine
NAVY/MC	Guided Missile Simulator Mk 92 Mod 1	GMS MK 92
NAVY/MC	Guided Missile Test Round Mk 66 Mod 3	GMTR MK 66
NAVY/MC	Gun Missile/Launch System Mk 72 Mod 0	GMLS MK 72
NAVY/MC	High Speed Submerged Ship Control Trainer	HSSSCT (21B56E)
NAVY/MC	High Speed Submerged Ship Control Trainer	HSSSCT (21B56F)
NAVY/MC	HPS (19G2)	GL 47 Hotplant
NAVY/MC	IDSIM44	
NAVY/MC	Interface Driver/Simulator for AN/UYK-44	IDSIM44
NAVY/MC	ITRIDENT Integrated Radio Rooms	TRIDENT IRR
NAVY/MC	IUSS Onboard Training Instructional Delivery System	IUSS OBT IDS
NAVY/MC	JAVELIN (BST)	JAVELIN Basic
NAVY/MC	Land or Sea Gun System Simulation	LSGUNS
NAVY/MC	Landing Craft Air Cushion Ful Mission Trainer	LCAC FMT
NAVY/MC	Language Training and Testing Lab	LTTL (8E19)

DoD Component	Simulation name	Acronym
NAVY/MC	LAV-25 Turret Trainer	LAV-25 Turret
NAVY/MC	Light Armor Vehicle Anti-Tank Tow	LAV-AT (17C11/7)
NAVY/MC	Link 11 Data Distribution System	LDDS
NAVY/MC	Link 11 Display System	LEDS
NAVY/MC	Link 11 Naval Tactical Data System Emulator	LINK11 NTDS
NAVY/MC	Link 4A Standalone Simulation System	L4SAS
NAVY/MC	Link 4A Test Set	L4TS
NAVY/MC	Live Entity Gateway (LEG)	LEG
NAVY/MC	LSD 41 Machinery Plant Control System Operator/ Maintenance Trainer	LSD 41 Machinery
NAVY/MC	LVT7A1 Organizational Level Maintenance Trainer	LVT7A1 OLMT
NAVY/MC	LVTP-7 AVPM	LVTP-7 AVPM
NAVY/MC	LVTPA1 Assualt Vehicle Hydrualics System Panel	LVTPA1 AVHSP
NAVY/MC	LVTPA1 BCLT (16C74)	LVTPA1 Brake
NAVY/MC	LVTPA1 Brake Control Linkage Trainer	LVTPA1 BCLT
NAVY/MC	LVTPA1 Cummins VT903 Engine Cross Section	LVTPA1 CECS
NAVY/MC	LVTPA1 Cylinder and Fuel Injector Trainer	LVTPA1 CFIT
NAVY/MC	LVTPA1 Plenum Cover Operator Trainer	LVTPA1 PCOT
NAVY/MC	LVTPA1 Steering Linkage Trainer	LVTPA1 SLT
NAVY/MC	M64A1 Mortar Sight Trainer	M64A1 Mortar
NAVY/MC	Map Reading Training Aid	MRTA (11H29A)
NAVY/MC	MAST	-
NAVY/MC	Master Level Sonar Analyst Trainer	MLSATT (21H16)
NAVY/MC	MATTPS (3C52)	M21 Mine
NAVY/MC	MCASSCT (21C7A)	Multi-Class
NAVY/MC	MGM (3F88)	Mk19 40MM

DoD Component	Simulation name	Acronym
NAVY/MC	MH-53 AMCM	MH-53 AMCM
Navy/MC	MH-53C Operational Flight Trainer	MH-53C OFT
NAVY/MC	Mine Simulator M16A1 Bounding Anti-Personnel	MSBAP
NAVY/MC	Missile Guidance System Evaluation Laboratory	GSEL Msl
NAVY/MC	MK 45 EDTS	MK 45
NAVY/MC	MK 45 Hardware In The Loop Simulator	MK 45 HIL
NAVY/MC	"MK-86 Naval Gunfire System Operator Trainer, Land Based"	LBNGFS OT
NAVY/MC	Module Support Equipment Rack	MSER
NAVY/MC	Mortar Subcaliber Trainer	MST(3F8)
NAVY/MC	Moving Target System	MTS (17E17)
NAVY/MC	Multi-Integrated Laser Engagement System	MILES (17C10)
NAVY/MC	Multi-Purpose Fire Fighter Trainer	MFFT (19F3A)
NAVY/MC	Multi-STANDARD Missile Echo Unit	MSMEU
NAVY/MC	Multiple Aircraft Communication Handler for Link 4A	MACH-4
NAVY/MC	Multiple Integrated Laser Engagement System 2000	MILES 2000
NAVY/MC	MVS	Tomahawk
NAVY/MC	Naval Gunfire Support Mobile Team Trainer	NGFSMTT Device
NAVY/MC	Navigation Operations Laboratory	SSN NAVOPS
NAVY/MC	Navigation Systems Integration Laboratory	NAVSIL
NAVY/MC	NSSN Ship Control Operator Trainer	NSCOT (21C15)
NAVY/MC	NTDS (20F17)	Naval Tactical
NAVY/MC	Operational Readiness Test System Simulator	ORTSIS
NAVY/MC	OT/COT	Operator
NAVY/MC	P-3C ASUW Improvement Program Partial Aircrew Coordination Trainer	P-3C ASUW AIP
NAVY/MC	P-3C NAPTT	P-3C Non-Acoustic

DoD Component	Simulation name	Acronym
NAVY/MC	P-3C Operational Flight Trainer	P-3C OFT
NAVY/MC	P-3C Tactics Operational Readiness Trainer	P-3C Tactics
NAVY/MC	P-3C Update II.5 Tactics Trainer	P-3C Update II.5
NAVY/MC	P-3C Update III Acoustic Part Task Trainer	P-3C Update III
NAVY/MC	P-3C Update III OFT	P-3C Update III
NAVY/MC	P-3C Update III Operational Flight Trainer	P-3C Update III
NAVY/MC	PECS OMT (20H7/7A)	FFG 7 Propulsion
NAVY/MC	PECS OT (20H6/6A/6B)	FFG 7 Propulsion
NAVY/MC	Phalanx Remote Control Panel/Local Control Panel Interface Responder	RCP/LCP
NAVY/MC	PM (M32A1)	Pneumatic Mortar
NAVY/MC	Precision Gunnery System	PGS
NAVY/MC	RETS	Remoted Target
NAVY/MC	RFOMT (11B109)	RADAR
NAVY/MC	RSAT (21H31)	Radar Ship
NAVY/MC	S-3B Operational Flight Trainer	S-3B OFT
NAVY/MC	S-3B Partial Task Crew Maintenance Trainer	S-3B PTCM
NAVY/MC	SAGN (3F63)	Small Arms
NAVY/MC	SARTS (3F71E)	Small Arms
NAVY/MC	Search and Track Program	SEATRAP
NAVY/MC	SEAWOLF Automatic Battery Monitoring System Trainer	SEAWOLF
NAVY/MC	SEAWOLF Ship Control Operator Trainer	SS (21C13)
NAVY/MC	SEAWOLF Weapons Handling and Launch Electronics Trainer	SEAWOLF ST
NAVY/MC	SH-60B Operational Flight Trainer	SH-60B OFT
NAVY/MC	SH-60F Acoustic Trainer	SH-60F AT
NAVY/MC	SH-60F Tactical Navigation Trainer	SH-60F TNT

DoD Component	Simulation name	Acronym
NAVY/MC	SH60B Weapons System Trainer	SH60B WST
NAVY/MC	SH60B Weapons Tactics Trainer	SH60B WTT
NAVY/MC	Ship Vulnerability Model	SVM
NAVY/MC	Shipboard Environment and Missile Simulation	SEMS
NAVY/MC	Ships Service Electrical Switchboard Trainer	SSEST (19A10)
NAVY/MC	Simulated Warfare Environment Generator	SWEG
NAVY/MC	Single and Dual Mode Missile Guidance System Evaluation Laboratories	GSEL S/D
NAVY/MC	SM-2 Missile Echo Unit	SMEU
NAVY/MC	Small Craft Electrical Systems Trainer	SCEST (11E18)
NAVY/MC	Spectrum Generator for the AN/UPX-34(V) RADAR Track Discrimim\nator	SARTIS
NAVY/MC	SSN Torpedo Room Trainer	SSNTRT (21H23)
NAVY/MC	STANDARD Missile Block IV Echo Card	SMEC4
NAVY/MC	STANDARD Missile Block IVA IR Seeker Image-Based Simulation	IR Seeker
NAVY/MC	STANDARD Missile Echo Card	SMEC
NAVY/MC	STANDARD Missile Electronic Counter Counter-Measures	SM-2 ECCM
NAVY/MC	STRIKER TLAM	-
NAVY/MC	Submarine Damage Control Trainer	DCT (21C6)
NAVY/MC	Submarine Fire Fighting Trainer	SFFT (21C12)
NAVY/MC	Submarine Fire Fighting Trainer	SFFT (21C12A)
NAVY/MC	Submarine Interactive Courseware Training System Trainer	SICWTST (21H27)
NAVY/MC	Submarine Interactive Courseware Training System Trainer	SICWTST
NAVY/MC	Submarine Passive Acoustic Analysis Trainer	SPAAT (21H14)
NAVY/MC	Submarine Piloting and Navigation Trainer	SPAN (15F12A)
NAVY/MC	Submarine Systems Effectiveness and Assessment Model	SUBSEA Model
NAVY/MC	Submarine Systems Interactive Video Part Task Trainer	SSIVDPTT

DoD Component	Simulation name	Acronym
NAVY/MC	Submarine Tactical Visual Training System	STVTST (21B68)
NAVY/MC	Suppressor (Tomahawk Accredited for Tomahawk Land Attack	China Lake
NAVY/MC	Surface AAW Multi-ship Simulation	SAMS
NAVY/MC	Synthetic Air Range	SAR
NAVY/MC	Synthetic Environment Tactical Integration	SETI
NAVY/MC	Synthetic Sea Range (SSR)	SSR
NAVY/MC	TACWAR Series (16N)	"Minor Training
NAVY/MC	Tank Weapon Gunnery Simulation System	TWGSS
NAVY/MC	Target Simulations	BQM-74
NAVY/MC	Target Simulations	BQM-34
NAVY/MC	Target Simulations	AQM-37
NAVY/MC	Target Simulations	MA-31
NAVY/MC	Target Simulations	MQM-8G
NAVY/MC	Target Simulations	QF-4N
NAVY/MC	Target System Tank Automatic	TSTA (3A124A)
NAVY/MC	TDCT (21C11)	TRIDENT
NAVY/MC	TDCT (21C11A)	TRIDENT
NAVY/MC	TGD (17C11/2)	Trainer Gunnery
NAVY/MC	TGT (17C11/1)	Trainer Gunnery
NAVY/MC	TMPM (16F2/1)	Terrain
NAVY/MC	Tomahawk Advanced Flight Simulation block IV	TAFS IV
NAVY/MC	"Tomahawk Advanced Flight Simulation, Tomahawk Land Attack Missile"	TAFS-LA
NAVY/MC	Tomahawk Missile Echo Card	TMEC3
NAVY/MC	Tomahawk Missile Echo Unit	TMEU3
NAVY/MC	Tomahawk Navigation Simulation (GPS Simulation Only)	NAVSIM

DoD Component	Simulation name	Acronym
NAVY/MC	Torpedo Presetter Test Set Mk 432 Mod 4	TORP PRE
NAVY/MC	Torpedo/Torpedo Tube Simulator	SVTT
NAVY/MC	Track Initiation Probability/ Probability of Detection	TRIPPOD
NAVY/MC	Training Set Fire Observation	TSFO (17E20)
NAVY/MC	TRIDENT Command and Control Team Trainer	TCCTT (21A42)
NAVY/MC	TRIDENT Defensive Weapons Maintenance Lab	TRIDENT DWML
NAVY/MC	TRIDENT Electronic Warfare Support Measures Trainer	ESMT (10E2)
NAVY/MC	TRIDENT Ship Control Maintenance Trainer	SCMT (11B99)
NAVY/MC	TRIDENT Ship Control Maintenance Trainer	SCMT (11B99A)
NAVY/MC	TRIDENT Ship Control Team Trainer	TSCT (21C10)
NAVY/MC	TRIDENT Ship Control Team Trainer	TSCT (21C10A)
NAVY/MC	TRIDENT Sonar Maintenance Trainer	TRIDENT SMT
NAVY/MC	Tropospheric Electromagnetic Parabolic Equation Routine	TEMPER
NAVY/MC	UH-1N Aircrew Procedures Trainer	UH-1N APT
NAVY/MC	UH-1N Weapon System Trainer	UH-1N WST
NAVY/MC	Universal Maintenance Training System	UMTS
NAVY/MC	VAC	
NAVY/MC	Vertical Launch System Interface Test Set Mk 683 Mod 0	VLS MK 683
NAVY/MC	Vertical Launch System Interface Test Set Mk 96 Mod 3	VLS MK 96
NAVY/MC	Weapons Launch System Operator Trainer	WLSOT
NAVY/MC	Wess Hoffman Device	WHD (17-61)

Total records found: 371

DoD Component	Simulation name	Acronym
Air Force	Advanced Reference Scene Products	-
Air Force	Aerodynamic Missile Guidance Analysis Program	AMGAP
Air Force	Air Defense Initiative Simulation For Command and Control Development	ADISC2
Air Force	Air Force Command Exercise System	ACES
Air Force	Air Force Semi-Automated Forces	AFSAF
Air Force	Air Traffic Control System	ATCS
Air Force	ALD Nodehost Hardware/ Software	-
Air Force	AMC Deployment Analysis System	ADANS
Air Force	Attack Assessment Program	AAP
Air Force	Attack Management Development Facility Baseline	AMDF
Air Force	Automatic Reference Data Extraction	-
Air Force	C-135B Flight Simulator Trainer	C-135B FST
Air Force	Combined Mating and Ranging Planning System	CMARPS
Air Force	Communications Avionics Navigation System	CANS II
Air Force	COMPASS CALL Mission Simulator (Block 20)	-
Air Force	Computer Aided Tactical Information System Server Model	CATIS
Air Force	Contingency Theater Automated Planning System (CTAPS) Wargame	CTAPS WIC
Air Force	Crew Aiding/Information Warfare Analysis Laboratory	CIWAL
Air Force	Distributed Multi-Wavelength Sensor Simulation	DMWSS
Air Force	Dynamic Ground Target Simulator	DGTS

DoD Component	Simulation name	Acronym
Air Force	EF-111 Weapon System Trainer	EF-111 WST
Air Force	Electronic Countermeasures Techniques Modeling Tool	ECM
Air Force	Electronic Support Measures Analysis Technology	ESM
Air Force	ERIC Simulation Language	-
Air Force	F-15 McDonnell Douglas Reconfigurable Cockpit	MDRC
Air Force	F-15 Operational Flight Trainer	F-15 OFT
Air Force	F-15A Cockpit Familiarization Trainer	F-15 CFT
Air Force	F-15A Egress Procedures Trainer	F-15 EPT
Air Force	F-16 Air Intercept Trainer	F-16 AIT
Air Force	F-16 Combat Engagement Trainer	F-16 CET
Air Force	F-16 Weapon System Trainer	F-16 WST
Air Force	F-16 Weapon System Trainer	F-16 WST
Air Force	Fighter Aircraft Maneuvering Performance Analysis Program	FAMPAP
Air Force	Finite Element Modeling Analysis-Prismatic Mesh	FEMAPRISM
Air Force	Fire Control Sensor Simulator	FCSS
Air Force	Fixed Target Comparative Analysis	FTCA
Air Force	Fusion Techniques Evaluation Model	-
Air Force	Graphical Workstation TIBS Emulator	GWS
Air Force	Ground Attack Fighter Model	GAFM
Air Force	Guidance Error Analysis Program	-

DoD Component	Simulation name	Acronym
Air Force	Improved HF Data Network Simulation	INS
Air Force	Integrated Computational Environment for Product Development and	ICE
Air Force	Internetted System Model	ISM
Air Force	Joint Stars Emulator	JSX
Air Force	KC-135 Table Top Navigation Rendezvous Trainer	KC-135 TTNRT
Air Force	Land/Air Combat in ERIC Simulation	LACE
Air Force	Liquid Rocket Engine Schematic Model	-
Air Force	Maneuvering Reentry Vehicle Upgrade	MARV
Air Force	MASTER	TASE
Air Force	Meteor Burst Link/Network Simulator	-
Air Force	Modular Control Equipment Sim	MCE
Air Force	Object-Oriented Cartographic Database and Map Display System	-
Air Force	Optical Target Signture Model	OPTASM
Air Force	Parametric Antenna Analysis System	PAAS
Air Force	Point-to-Point Data Link Emulator	-
Air Force	Radar Discrimination System Simulation	RDSSIM
Air Force	Real Time Electromagnetic Digitally Controlled Analyzer and Processor	REDCAP
Air Force	Reference Scene Preparation for Scene Matching	-
Air Force	Reliability Physics	-
Air Force	Residue Number System Matrix Processor	RNS

DoD Component	Simulation name	Acronym
Air Force	Rivet Joint Constructive Simulation	RJCS
Air Force	Rocket Propulsion Analysis Capability Implementation	ROPACI
Air Force	"SBRCOV, RADCOMP, BLIPPLT, PLOTMAP, PUSHMAP"	-
Air Force	Secure Tactical Internet Protocol Simulation	STIP
Air Force	Sensor Combat/Sensor Cover/Sensor Spook	-
Air Force	Space Virtual Interface System	Space VIS
Air Force	SpaceCraft Analysis Modeling Program	SCAMP
Air Force	Strategic Penetration Model	STRAPEM
Air Force	Theater Exercise Intel Simulation	TEXIS
Air Force	Touchstone Academy mwSPICE	-
Air Force	Trajectory Analysis Program	TRAP
Army	Aerial Cable Target Simulation	ACTS
Army	Apollo Footprint Model	AFM
Army	Armored Battalion Recovery and Maintenance Simulation Model	ARMSIM
Army	Army Many-on-many Engagement Model	AMEM
Army	Battle management Requirments Assessment Tool	BRAT
Army	Bradley-LINEBACKER Simulator	Bradley-LINEBAC
Army	Closed Loop Tracker Simulation	CTSIM
Army	Comanche Player Station	CPS
Army	Communication Network Simulator - Phase II	CNS-II

DoD Component	Simulation name	Acronym
Army	Cover	Cover
Army	Defense in Depth Simulation	DIDSIM / SIDSIM
Army	Division Ammunition Management Simulator	DAMS
Army	Electronics Maintenance Company Model	EMCM
Army	Exoatmospheric Discrimination Simuation	XoDIS
Army	Fire Support Command and Control Analysis Tool	FISCCAT
Army	Hunter Virtual Prototype System	HVPS
Army	Integrated Assessment Model	IAM
Army	Integrated Product Team Tool	IPT2
Army	JTDIS Analysis Model for Independent Evaluation	JAMIE
Army	Logistics Simulation Model	LogSim
Army	Midcourse Engagement Simulation	MidES
Army	Mobile Subscriber Equipment Simulation	MOSES
Army	Multiple Resolution Terrain Processor	MRTP
Army	Network Assessment Model	NAM
Army	Network Routing Algorithm Simulation	NETRAS
Army	Satellite Track	SATRA
Army	Survivability Planning & Intercept Evaluation Tool	SPIET
Army	TACTICS	TACTICS
Army	The Vulnerability Server	The Vulnerability

DoD Component	Simulation name	Acronym
Army	XM43S	XM43S
Army	XMVIS	XMVIS
BMDO	ARGUS	ARGUS
BMDO	Attack	Attack
BMDO	High Fidelity System Simulation	HFSS or OSIM
DIA	Integrated Missile and Radar Simulation	IMARS
DISA	Network Planning System	NPS
DTRA	Collaborative Adaptive Planning System	CAPS
Joint Staff	External Logistics Processor - Medical Module	LPX-MED
Joint Staff	Joint Conflict Model	JCM
Joint Staff	Joint Exercise Driver for Intelligence	JEDI
Joint Staff	Joint Tactical Simulation	JTS
Joint Staff	Regional Development Simulation System	RDSS
NAVY/MC	1-on-N TASM	-
NAVY/MC	Advanced Modular Encounter Environment	AMEE
NAVY/MC	Analysts WorkBench	AWB
NAVY/MC	APL Boost	-
NAVY/MC	Battle Force EMI Evaluation System	BEES
NAVY/MC	CEB 6DOF	-
NAVY/MC	CM6DOF	-

Simulations to be Retired in lieu of HLA compliance May 99 (attachment 7)

DoD Component	Simulation name	Acronym
NAVY/MC	CWASAR	-
NAVY/MC	Endgame	-
NAVY/MC	Generalized Simulation/Stimulation	GSS
NAVY/MC	Generic ARM Six Degree-of-Freedom simulation	ARM
Navy/MC	Guided Weapon Trajectory Software	GWTS
NAVY/MC	HARM QUE Six Degree-of-Freedom simulation	HARM
NAVY/MC	Indoor Simulator Marksmanship Trainer	ISMT
NAVY/MC	Infrared fuzing Model	IRF Model
NAVY/MC	Joint Services Endgame Model Version 2.2	JSEM
Navy/MC	Maverick 3DOF Simulation	Maverick
NAVY/MC	Mine Search System Model	MSSM
NAVY/MC	Mobile Combat System Trainers and Radar Video Recorder	MCST 20B4/20BS
NAVY/MC	Modular Acoustic Simulation System	MASS
NAVY/MC	Multifunctional Information Distribution System (MIDS) Interface	MIS
NAVY/MC	Outboard Operator Team Trainer	OBTT (7B4)
NAVY/MC	Paveway II 6-DOF Simulation (6-DOF simulation of the GBU-10,12 & 16)	U84
NAVY/MC	Precision Gunnery Training System	PGTS
NAVY/MC	Real-time Acoustic Simulator for Passive Sonar	RASPS
NAVY/MC	Shrike Six Degree-of-Freedom simulation	AGM-45
NAVY/MC	Sidearm (AGM-122) Six Degree-of-Freedom simulation	-

DoD Component	Simulation name	Acronym
NAVY/MC	SIMII/FMCMM	-
NAVY/MC	Simulation for Naval Engagements/Flexible Monte Carlo Missle Model	SIM-II/FMCMM
NAVY/MC	"Simulation of Naval Engagements-Hull, Mechanical, and Electrical	SIM-II-HM&E
NAVY/MC	Software Hardware Interface Unit	SHIU
NAVY/MC	STRIKER TASM	-
NAVY/MC	Submarine Launched Harpoon Simulation	SHARPSIM
NAVY/MC	Surface Anti-Submarine Warfare Trainer Device -	SAWTD (14A12)
NAVY/MC	Table Driven Torpedo Engagement Analysis Model	TDT
NAVY/MC	Tactical Advanced Combat Direction and Electronic Warfare	TACDEW
NAVY/MC	Tactical Advanced Simulation Warfare Integrated Trainer	TASWIT
NAVY/MC	TASM Boost 6DOF	-
NAVY/MC	TASM DS	-
NAVY/MC	TASM-TG	-
NAVY/MC	TATS	-
NAVY/MC	THEAM	-
NAVY/MC	TLAM Boost 6DOF	-
NAVY/MC	TLAM Cruise 6DOF	-
NAVY/MC	Tomahawk Engagement Planning and Exercise Evaluation	TEPEE
NAVY/MC	TRACK	-
NAVY/MC	Weapons and Tactics Analysis Center (WEPTAC 2 Simulation)	WEPTAC

Coordination Record

SUBJECT: Director, Defense Modeling and Simulation Office (DMSO) DoD High Level
Architecture (HLA) Transition Report, May 1999

On May 12, 1999, the DoD Executive Council for Modeling and Simulation (EXCIMS)
considered the HLA Transition Report (see Attachment to Tab A) provided by the Director,
Defense Modeling and Simulation Office. The EXCIMS unanimously concurred with the report
and recommended that it be forwarded to the USD(A&T) for approval.

DUSD(S&T): Dr. Etter

OUSD(P&R): Mr. Longstreth

OASD(C3I): Mr. Osterholz

OSD OD(PA&E): Mr. Johnson

OSD D(TSE&E): Dr. Sanders

Joint Staff, J-7: MG Close

Joint Staff, J-8: CAPT Conaway

Army: Mr. Hollis

Navy: RADM Mayo

Air Force: Lt Gen Vesely

Marine Corps: Dr. Bailey

Intelligence Community
Coordinating Group (IC COG): Dr. Kissin

<u>Coordination Record</u>

SUBJECT: Director, Defense Modeling and Simulation Office (DMSO) DoD High Level
Architecture (HLA) Transition Report, May 1999

On May 26, 1999, the DoD Modeling and Simulation Working Group was tasked by the DoD
Executive Council for Modeling and Simulation (EXCIMS) to coordinate the May 1999 HLA
Transition Report among their respective Service and Agency Modeling and Simulation
representatives with support from their HLA Transition Issues Team members for final
concurrence by June 14, 1999.

ODDR&E/DMSO:	Col Konwin**
OASD(C3I)CISA:	Mr. Dean
OUSD(C)/PA&E:	Mr. Bates**
OUSD(P&R):	Mr. Gardner
ODUSD(IA&I):	Ms. Vehmeier
OSD D(TSE&E):	Ms. Frost
Joint Staff, J-7:	Lt Col Wagner
Joint Staff, J-8:	Lt Col Edwards
	Ms. Saunders*
Army / AMSO:	Col Collier
	Mr. Dunn*
Navy / OPNAV(N6M):	CAPT Chapman
	Mr. Swenson*
Air Force / XOCP:	Ms. Gordon
	Mr. Miller*
Marine Corps /MCMSMO:	Maj Forjan**
Intelligence Community Coordinating Group (IC COG):	Mr. Head
	Mr. Paden*
BMDO / DEI:	Maj Mason*
DTRA:	Mr. Zimmers**

* DoD HLA Transition Issues Team member only
**DoD Modeling and Simulation Working Group and HLA TI Team member